

s · t · e · m

SCIENCE ■ TECHNOLOGY ■ ENGINEERING ■ MATH



August 31, 2010  
Madison, WI

# SPONSORS

## WISCONSIN STEM COLLABORATION SPONSORS

SPECIAL  
2010 CONFERENCE  
SPONSORS



GOLD SPONSORS



Sponsors of the DPI STEM  
Collaboration Mini-Grants



Sponsors of the WAICU STEM  
Collaboration Mini-Grants

SILVER SPONSORS



BRONZE SPONSORS



Wisconsin's  
Women's Funds



SUPPORTERS & IN-KIND SPONSORS



KnowHow2GOWisconsin.org



Research Center  
for Women & Girls  
Alverno College

## NATIONAL GIRLS COLLABORATIVE PROJECT SPONSORS



Great Lakes Girls Collaborative Project



# ABOUT US

## GIRLS STEM COLLABORATIVE PROJECTS

The National Girls Collaborative Project is designed to bring together organizations throughout the United States that are committed to informing and encouraging girls to pursue careers in science, technology, engineering, and mathematics (STEM). State and regional collaborative projects across the country share this common goal and promote opportunities to share with and learn from each other. They vary in focus areas, populations served and partner organizations, but all work to increase gender equity in STEM fields. The goals are to:

- Maximize access to shared resources within projects and with public and private sector organizations and institutions interested in expanding girls' participation in STEM.
- Strengthen capacity of existing and evolving projects by sharing promising practice research and program models, outcomes and products.
- Use the leverage of a network or collaboration of individual girl-serving STEM programs to create the tipping point for gender equity in STEM.

The Wisconsin Girls Collaborative Project (WGCP), established in 2005, is part of the Great Lakes Girls Cooperative Project (GLGCP). In 2009, WGCP awarded 5 mini-grants to local collaborations creating STEM-related programs and activities for girls.

### The Wisconsin Girl's Collaborative

does not discriminate on the basis of sex, race, color, religion, creed, age, national origin, ancestry, pregnancy, marital status or parental status, sexual orientation, or disability. The project affirms and invites diverse participants and collaborations.



# MORNING PROGRAM

**8:30 am Registration, Room K-L**

**9:00 am Welcome and Introduction**

Laurie Benson, LB Unlimited & NGC Champions Board

Elma Anderson, American Association of University Women—Wisconsin

Rosalyn Pertzborn, UW-Madison, Space, Science and Engineering Center & NGC Champions Board

**9:30 am The NGC Mini-Grant Experience**

Diane Pollard, UW-Milwaukee, Moderator

- ☐ Project Presentations, Mentors & Students
- ☐ Discussion

**10:45 am Break**

**11:00 to 12:00 STEM Workshop for Students**

**11:00 am Best Practices in Marketing STEM to Girls**

Kimberly Howard, UW-Madison

Becky Nutt, Oneida Nation High School

**11:30 am Speed Networking!**

Led by Nancy Graese, CESA #11

**12:00 pm Lunch**

*Special Guest*

**Bill Nye the Science Guy**



Bill Nye is the host of three currently-running television series. His latest project, "Stuff Happens," is about environmentally responsible choices that consumers can make as they go about their day and their shopping. Bill Nye, scientist, engineer, comedian, author, and inventor, is a man with a mission: to help foster a scientifically literate society, to help people everywhere understand and appreciate the science that makes our world work. Making science entertaining and accessible is something Bill has been doing most of his life.

# AFTERNOON PROGRAM

- 1:00 pm**     **Talk with Scientists: An Opportunity for Students and Mentors to Meet with an International Panel of Venus Researchers**
- 1:30 pm**     **You be the Scientist: Mysteries of Venus Classroom Activity**
- Venus Presentation, Dr. Sanjay Limaye, UW-Madison Space, Science and Engineering Center
  - Venus Cloud Tracking Activity
- 3:25 pm**     **Conference Closing**  
*please complete your program evaluation*
- 

- 3:30 to 4:00 pm**     **Mini-Grant Workshop (Optional)**
- Barbara Bitters, WI Department of Public Instruction  
Loretta Krenitsky, Milwaukee School of Engineering
- This workshop is for program staff, teachers and others that may be interested in applying for a 2010/2011 Girls & STEM Mini-Grant. This session will focus on:
- 2010/11 grant opportunities and grant cycle
  - How to write a proposal for a NGC Mini-Grant
  - Identifying relevant activities for grant applications



# CHAMPIONS BOARD

Laurie Benson, Chair  
LB Unlimited

Elma Anderson  
AAUW-Wisconsin

Nell Anderson  
Wausau School District

Marta Bechtol  
Educational Communications Board

Dr. Carol Sue Butts  
UW Platteville

Juliette Cole  
UW Green Bay

Lori Fisher  
Northwest Technical College

Nancy Graese  
CESA #11

Sue Halseth  
AAUW-River Falls

Kimberly Howard  
UW Madison

Siobhan Kileen  
EMC Corporation

Valarie King-Bailey  
OnShore Technology Group

Loretta Krenitsky  
Women in Technology Program  
Milwaukee School of Engineering

Dr. Sanjay Limaye  
UW Madison-Space Science  
& Engineering Center

Jan Moen  
Accelerate Madison, Inc.

Becky Nutt  
Oneida Nation High School

Rosalyn A. Pertzborn  
UW Madison  
Office of Space Science Education

Dr. Diane Pollard  
UW Milwaukee

Louise Root-Robbins  
UW Madison-School of Nursing

Nancy Schopf  
Green Bay Area Chamber  
of Commerce

Van Walling  
Engineers and Scientists  
of Milwaukee

## Ex-Officio Members

Barbara Bitters  
Career & Technical Education  
WI Dept of Public Instruction

Marta Larson  
Great Lakes Girls Collaborative  
University of Michigan

Christine Lidbury  
Wisconsin Women's Council

Marion Seagren-Hall  
AAUW-Wisconsin

Karen Showers  
Wisconsin Technical College System

Jen Wegner  
Career & Technical Education  
WI Dept of Public Instruction

Sharon Wendt  
Career & Technical Education  
WI Dept of Public Instruction

## 2009 Grant Recipients

### **BUILD YOUR OWN COMPUTER WORKSHOP**

**Big Brothers Big Sisters of Dane County & DANENet**

**contact: Kristin Burki, [kburki@bbsmadison.org](mailto:kburki@bbsmadison.org)**

Youth enrolled in Big Brothers Big Sisters will attend a "Build Your Own Computer" workshop with their "Bigs" (mentors). Upon completion, youth will learn how to install hardware and software into a computer they will get to keep. Recruitment is focused on "Little Sisters."

### **DIGITAL BACKPACK STORYTELLING**

**Girls Scouts of WI Southeast & Waukesha County Technical College**

**contact: Mary Black, [mblack@gswise.org](mailto:mblack@gswise.org)**

This project allows girls in grades 4-5 to experience digital medial technology and create a movie or digital scrapbook. Participants will learn interview techniques, photo composition, movie storyboarding, and digital camera and camcorder skills; conduct and film interviews; and edit footage to create a finished movie or digital scrapbook with sounds, text and narration. Waukesha County Technical College staff and students provide instruction and guidance.

### **ROCKETS FOR SCHOOLS ALL-GIRLS TEAM**

**Oneida Nation High School & Space Education Initiatives Inc (DePere)**

**contact: Susan Hayes, [shayes@oneidanation.org](mailto:shayes@oneidanation.org)**

The all-girls team will build a high-powered rocket with payload capable of attaining an altitude of 3,000 feet and compete in the Rockets for Schools program in Sheboygan, WI. The team will also give a presentation, create a display board and compete in an academic challenge on aerospace. The Oneida culture is expressed through naming and painting the rocket. *Recipient of a Wisconsin Association of Independent Colleges and Universities (WAICU) Girls & STEM Mini-Grant*

### **ROCKETS FOR SCHOOLS ALL-GIRLS TEAM**

**Sheboygan County 4-H & Milwaukee School of Engineering**

**contact: Tammi Luebke, [tamlue@aol.com](mailto:tamlue@aol.com)**

This girls team has successfully competed for three years in the Rockets for Schools Class I program and would like to expand to Class II. The Class II program requires a larger rocket and more sophisticated equipment for the payload. *Recipient of a Wisconsin Association of Independent Colleges and Universities (WAICU) Girls & STEM Mini-Grant*

### **YWCA GIRLS CLUB STORYTELLING CAMP**

**YWCA Wausau, UW Marathon County & Northcentral Technical College**

**contact: Geri Heinz, [gheinz.ywca@verison.net](mailto:gheinz.ywca@verison.net)**

This camp uses ALICE storytelling software to show middle school girls how to use a computer to create their own animated story, characters and plot. A goal of the camp is to encourage the girls to pursue opportunities in the area of technology in their school and communities. At the end of camp, each girl receives a flash drive with the program and their project downloaded for future use.



